R&S®ARB Toolbox PLUS Software

Release Notes

Version 2.8

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The following abbreviations are used throughout this document:
R&S®ARB Toolbox Plus is abbreviated as ARB Toolbox Plus.

ROHDE&SCHWARZ

Test and Measurement

Release Notes

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1 Information on the Current Version and History

1.1 Version 2.8

Released: February 2014

Issues eliminated:

- Resampler module did not handle very large files correctly
- Fixed errornous SCPI communication with some instruments

1.2 Version 2.7

Released: November 2013

Functional improvements:

- Added new wizard to import from IQR .wvh and .wvd files

Issues eliminated:

- EMPTYTAG and VECTOR_MAX tag gets removed from R&S waveforms to improve compatibility
- Fixed wrong auto scaling in iq.tar file import
- Fixed bugs in MATLAB file import
- Fixed bug in waveform composer where recalculation of maximum clock rate was not always triggered properly
- Fixed potential deadlock when reading waveform information

1.3 Version 2.4

Released: April 2013

Issues eliminated:

- All generated waveforms used invalid data length in WAVEFORM tag

1.4 Version 2.3

Released: April 2013

Functional improvements:

- Clipping module improved
- Composer recognizes segment frequency shift when set to highest clock mode
- Improved leveling in waveform composer
- Composer omits marker tags in output waveform if no markers are used
- VISA supports raw socket connections
- New optional binary marker tag ‘CONTROL LIST WIDTH4’ is now supported
- LAN instrument scan for VXI-11 instruments added

Issues eliminated:

- Peak and RMS waveform calculations fixed
- Frequency offset in composer used wrong polarity (e.g. neg. offsets were pos.)
- Fixed multi-segment waveform creation in composer
- Files with sample counts > 32 bit did not show up in remote browser
- Fixed broken icons in remote file system browser
- Column sizes in remote browser were not properly remembered
- Uploading of very large files fixed

1.5 Version 2.0

Released: October 2012

Functional improvements:

- Clipping module improved
- User manual updated

1.6 Version 1.9.0

Released: October 2012

Functional improvements:

- Added waveform clipping module
- Context menus in file browser reorganized
- Raised limits in signal creation module

1.7 Version 1.7.0

Released: July 2012

Issues eliminated:

- Some I/Q preview displays did not show anything
- MATLAB file import did not handle sparse name tags correctly
- VXI-11 instrument connection sometimes timed out

1.8 Version 1.5.0

Released: May 2012

Functional improvements:

- Signal creation supports multi carrier CW with odd and even carrier counts

Issues eliminated:

- RMS calculation fixed in signal creation, wrap around analysis, composer and filter

1.9 Version 1.4.0

Released: April 2012

Functional improvements:

- Waveform creation by mathematical expressions added
- Level and frequency can be modified by mathematical expression in composer
- Improved all waveform viewing panels and added more view modes
- Added new wizard for waveform conversion from AMIQ/SMIQ to SMU
- Support for R&S® FSW added
- Waveform creation from binary data now also reads optional marker file
- MATLAB import wizard now supports uncompressed data elements

Issues eliminated:

- Waveform creation wizard used wrong time resolution for pulses and chirps
- Fixed false Y scaling in viewer when set to frequency versus time
- Bug fixes in MATLAB data import
- Stability improvements

1.10 Version 1.2.0

Released: July 2011

Functional improvements:

- Fading setting in composer now supports entry as samples and time.
- Function generator does now support sweeps.
- Added support for .iq.tar file format (waveforms saved by some R&S spectrum analyzers)
- Improved all spectrum displays.
- Updated GUI framework to QT 4.7.4.
- Added support for MATLAB .mat data import of data types Nx2 or 2xN double.
- Added browser support for R&S RTO.

Issues eliminated:

- I/Q constellation display did sometimes not properly initialize and display the measurement.
- Graphical views could not be maximized / minimized.
- Changing the target clock rate in the composer output (target) has changed samples and duration.
- Sparse name tags were not supported when importing MATLAB .mat files.
- Fixed erroneous data import from 14-bit I/Q binary files.

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Version 2.1, February 1999

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